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*Patty Wilson*  
Patty Wilson

**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Daniel et al.

Group Art Unit: 1623

**Serial No.: 09/516,728**

Examiner: Bansal, G.

Filed: March 1, 2000

Docket No.: 1242/12/2 CIP

Confirmation No.: 2723

For: MODULATION OF ENDOTHELIAL CELL SURFACE RECEPTOR ACTIVITY IN  
THE REGULATION OF ANGIOGENESIS

\* \* \* \* \*

**STATEMENT THAT SUBSTITUTE SEQUENCE LISTING AND**  
**COMPUTER READABLE COPY ARE THE SAME**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

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The Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number **50-0426**.

Respectfully submitted,  
JENKINS, WILSON & TAYLOR, P.A.

Date: *April 15, 2004*

By:

*C.P. Perkins*  
Christopher P. Perkins  
Registration No. 52,111

Customer No.: **25297**  
1242/12/2 CIP CPP/ptw



SUBSTITUTE SEQUENCE LISTING

<110> VANDERBILT UNIVERSITY  
DANIEL, THOMAS  
TAKAHASHI, TAKAMUNE  
MERNAUGH, RAYMOND

<120> MODULATION OF ENDOTHELIAL CELL SURFACE RECEPTOR ACTIVITY IN THE REGULATION OF ANGIOGENESIS

<130> 1242/12/2 CIP

<140> 09/516,728  
<141> 2000-03-01

<150> US 09/152,160  
<151> 1998-09-10

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 <302> Expression of DEP-1, a receptor-like  
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 <303> Proc. Natl. Acad. Sci. U.S.A.  
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580 585 590

Leu Gln Gly Leu Ile Pro Gly Thr Leu Tyr Asn Ile Thr Ile Ser Pro  
595 600 605

Glu Val Asp His Val Trp Gly Asp Pro Asn Ser Thr Ala Gln Tyr Thr  
610 615 620

Arg Pro Ser Asn Val Ser Asn Ile Asp Val Ser Thr Asn Thr Thr Ala  
625 630 635 640

Ala Thr Leu Ser Trp Gln Asn Phe Asp Asp Ala Ser Pro Thr Tyr Ser  
645 650 655

Tyr Cys Leu Leu Ile Glu Lys Ala Gly Asn Ser Ser Asn Ala Thr Gln  
660 665 670

Val Val Thr Asp Ile Gly Ile Thr Asp Ala Thr Val Thr Glu Leu Ile  
675 680 685

Pro Gly Ser Ser Tyr Thr Val Glu Ile Phe Ala Gln Val Gly Asp Gly  
690 695 700

Ile Lys Ser Leu Glu Pro Gly Arg Lys Ser Phe Cys Thr Asp Pro Ala  
705 710 715 720

Ser Met Ala Ser Phe Asp Cys Glu Val Val Pro Lys Glu Pro Ala Leu  
725 730 735

Val Leu Lys Trp Thr Cys Pro Pro Gly Ala Asn Ala Gly Phe Glu Leu  
740 745 750

Glu Val Ser Ser Gly Ala Trp Asn Asn Ala Thr His Leu Glu Ser Cys  
755 760 765

Ser Ser Glu Asn Gly Thr Glu Tyr Arg Thr Glu Val Thr Tyr Leu Asn  
770 775 780

Phe Ser Thr Ser Tyr Asn Ile Ser Ile Thr Thr Val Ser Cys Gly Lys  
785 790 795 800

Met Ala Ala Pro Thr Arg Asn Thr Cys Thr Thr Gly Ile Thr Asp Pro  
805 810 815

Pro Pro Pro Asp Gly Ser Pro Asn Ile Thr Ser Val Ser His Asn Ser  
820 825 830

Val Lys Val Lys Phe Ser Gly Phe Glu Ala Ser His Gly Pro Ile Lys  
835 840 845

Ala Tyr Ala Val Ile Leu Thr Thr Gly Glu Ala Gly His Pro Ser Ala  
850 855 860

Asp Val Leu Lys Tyr Thr Tyr Asp Asp Phe Lys Lys Gly Ala Ser Asp  
865 870 875 880

Thr Tyr Val Thr Tyr Leu Ile Arg Thr Glu Glu Lys Gly Arg Ser Gln  
885 890 895

Ser Leu Ser Glu Val Leu Lys Tyr Glu Ile Asp Val Gly Asn Glu Ser  
900 905 910

Thr Thr Leu Gly Tyr Tyr Asn Gly Lys Leu Glu Pro Leu Gly Ser Tyr  
915 920 925

Arg Ala Cys Val Ala Gly Phe Thr Asn Ile Thr Phe His Pro Gln Asn  
930 935 940

Lys Gly Leu Ile Asp Gly Ala Glu Ser Tyr Val Ser Phe Ser Arg Tyr  
945 950 955 960

Ser Asp Ala Val Ser Leu Pro Gln Asp Pro Gly Val Ile Cys Gly Ala  
965 970 975

Val Phe Gly Cys Ile Phe Gly Ala Leu Val Ile Val Thr Val Gly Gly  
980 985 990

Phe Ile Phe Trp Arg Lys Lys Arg Lys Asp Ala Lys Asn Asn Glu Val  
995 1000 1005

Ser Phe Ser Gln Ile Lys Pro Lys Lys Ser Lys Leu Ile Arg Val  
1010 1015 1020

Glu Asn Phe Glu Ala Tyr Phe Lys Lys Gln Gln Ala Asp Ser Asn  
1025 1030 1035

Cys Gly Phe Ala Glu Glu Tyr Glu Asp Leu Lys Leu Val Gly Ile  
1040 1045 1050

Ser Gln Pro Lys Tyr Ala Ala Glu Leu Ala Glu Asn Arg Gly Lys  
1055 1060 1065

Asn Arg Tyr Asn Asn Val Leu Pro Tyr Asp Ile Ser Arg Val Lys  
1070 1075 1080

Leu Ser Val Gln Thr His Ser Thr Asp Asp Tyr Ile Asn Ala Asn  
1085 1090 1095

Tyr Met Pro Gly Tyr His Ser Lys Lys Asp Phe Ile Ala Thr Gln  
1100 1105 1110

Gly Pro Leu Pro Asn Thr Leu Lys Asp Phe Trp Arg Met Val Trp  
1115 1120 1125

Glu Lys Asn Val Tyr Ala Ile Ile Met Leu Thr Lys Cys Val Glu  
1130 1135 1140

Gln Gly Arg Thr Lys Cys Glu Glu Tyr Trp Pro Ser Lys Gln Ala  
1145 1150 1155

Gln Asp Tyr Gly Asp Ile Thr Val Ala Met Thr Ser Glu Ile Val  
1160 1165 1170

Leu Pro Glu Trp Thr Ile Arg Asp Phe Thr Val Lys Asn Ile Gln  
1175 1180 1185

Thr Ser Glu Ser His Pro Leu Arg Gln Phe His Phe Thr Ser Trp  
1190 1195 1200

Pro Asp His Gly Val Pro Asp Thr Thr Asp Leu Leu Ile Asn Phe  
1205 1210 1215

Arg Tyr Leu Val Arg Asp Tyr Met Lys Gln Ser Pro Pro Glu Ser  
1220 1225 1230

Pro Ile Leu Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Thr  
1235 1240 1245

Phe Ile Ala Ile Asp Arg Leu Ile Tyr Gln Ile Glu Asn Glu Asn  
1250 1255 1260

Thr Val Asp Val Tyr Gly Ile Val Tyr Asp Leu Arg Met His Arg  
1265 1270 1275

Pro Leu Met Val Gln Thr Glu Asp Gln Tyr Val Phe Leu Asn Gln  
1280 1285 1290

Cys Val Leu Asp Ile Val Arg Ser Gln Lys Asp Ser Lys Val Asp  
1295 1300 1305

Leu Ile Tyr Gln Asn Thr Thr Ala Met Thr Ile Tyr Glu Asn Leu  
1310 1315 1320

Ala Pro Val Thr Thr Phe Gly Lys Thr Asn Gly Tyr Ile Ala  
1325 1330 1335